



System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

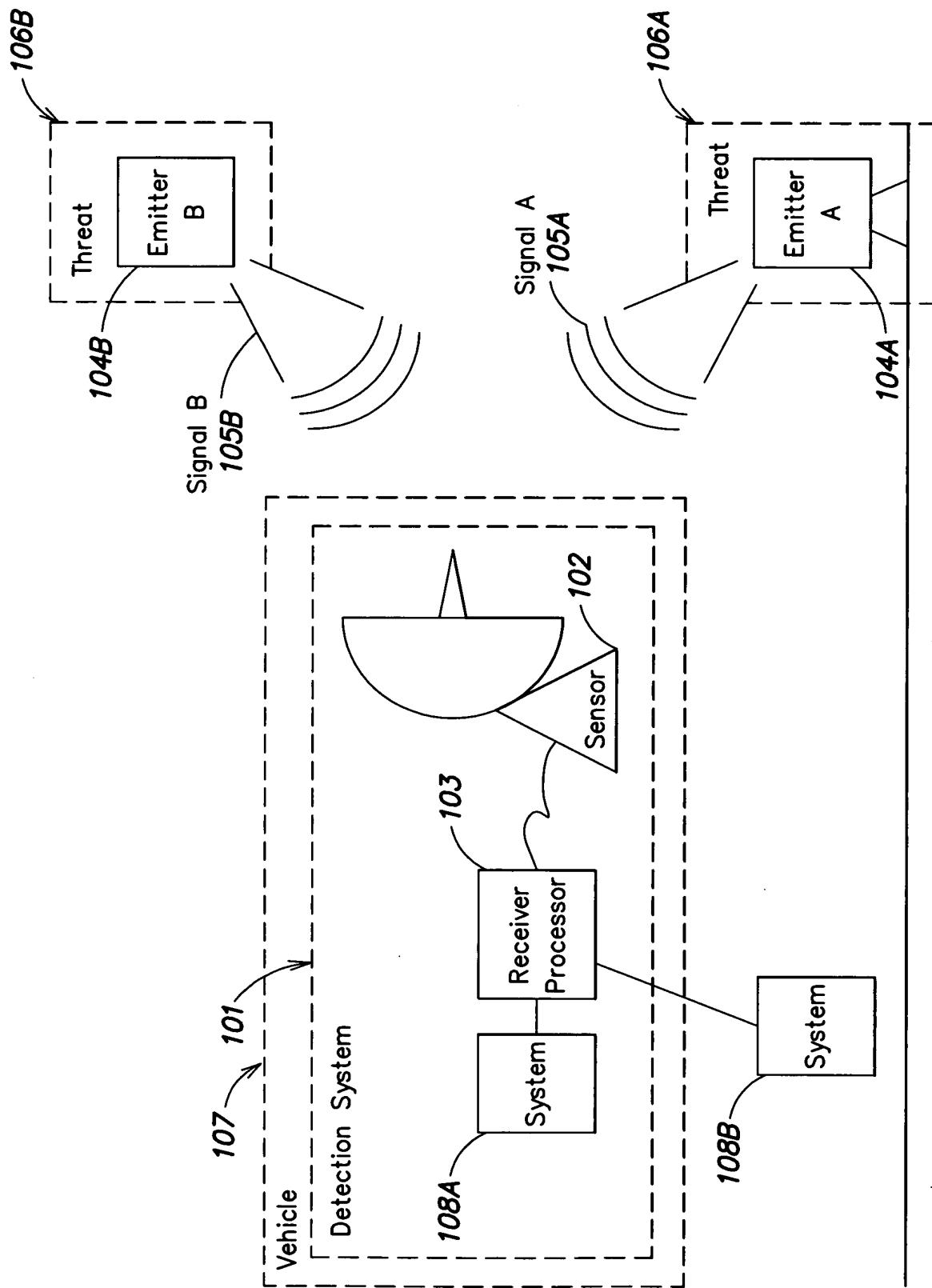


FIG. 1

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

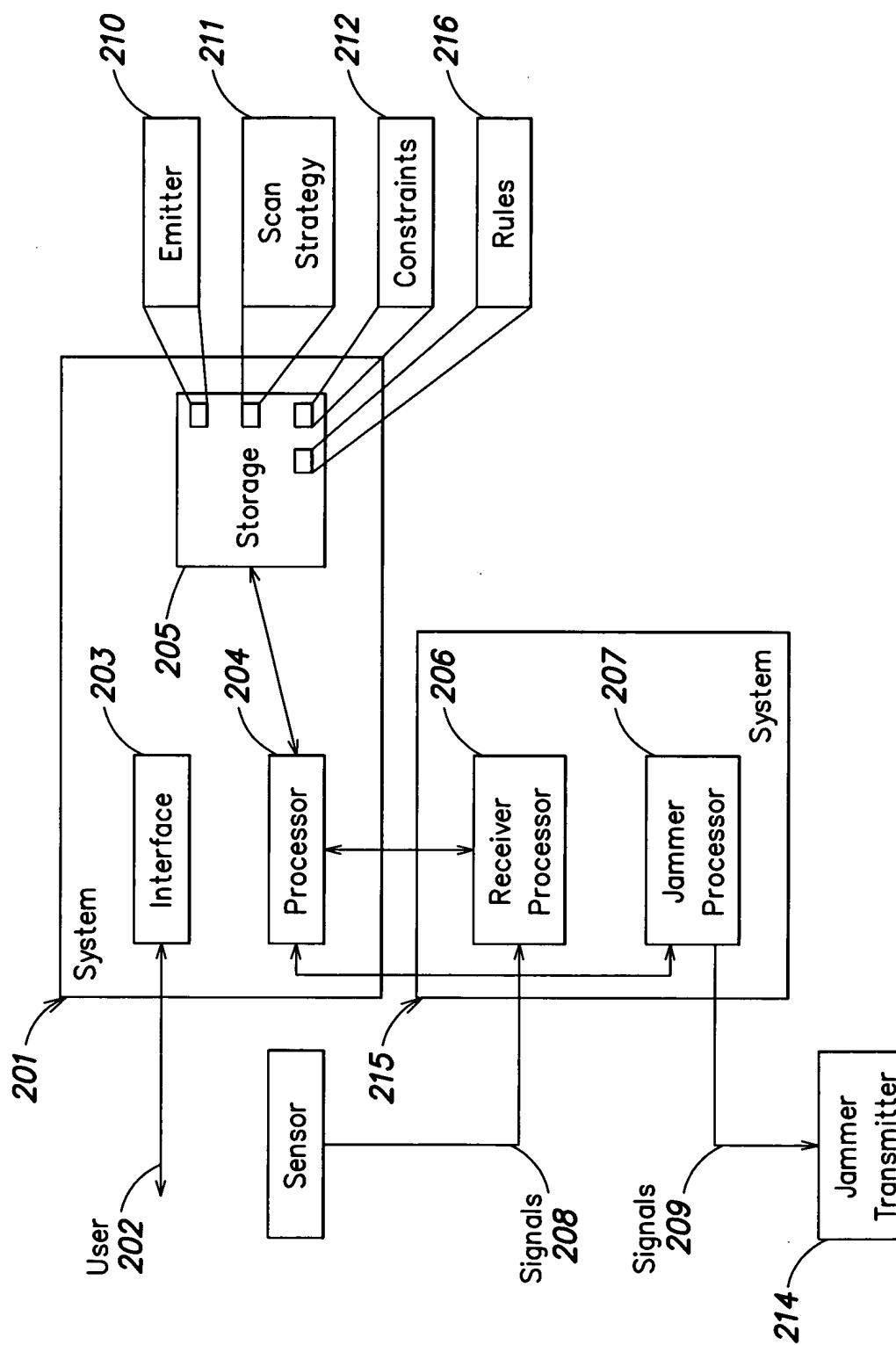


FIG. 2

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

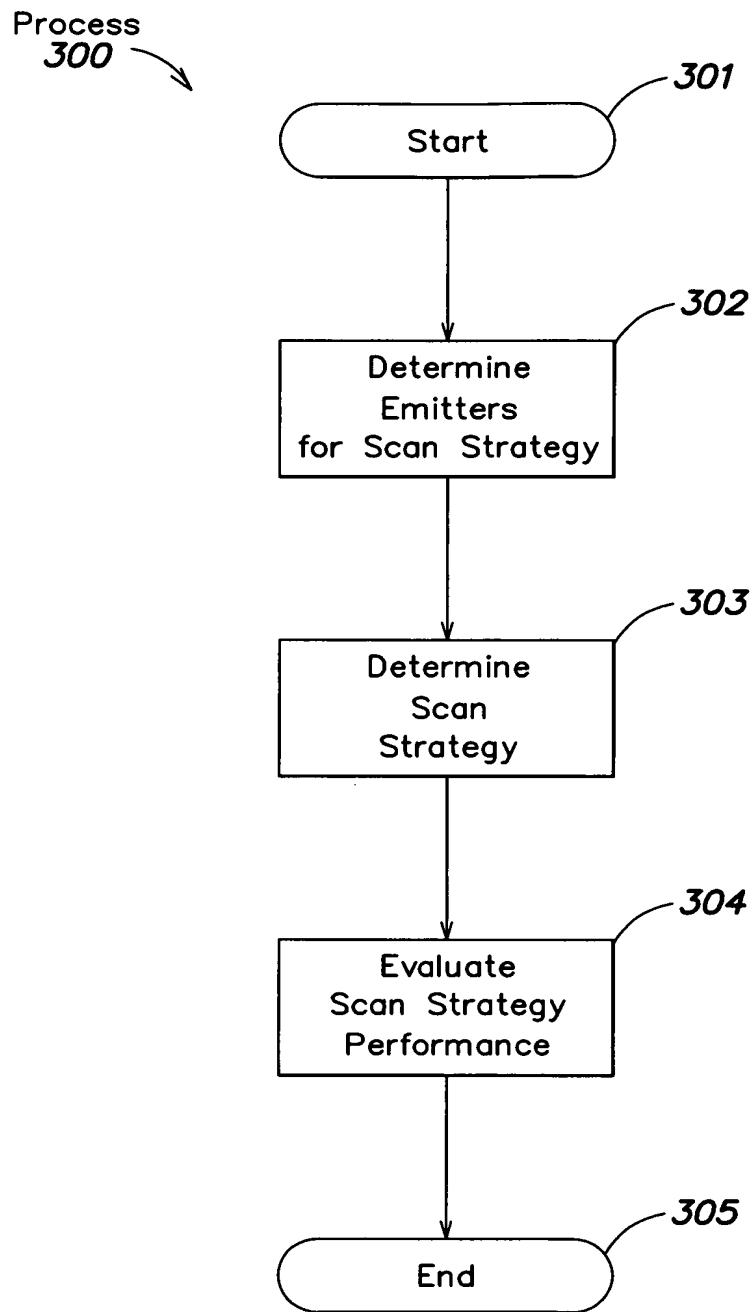


FIG. 3

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

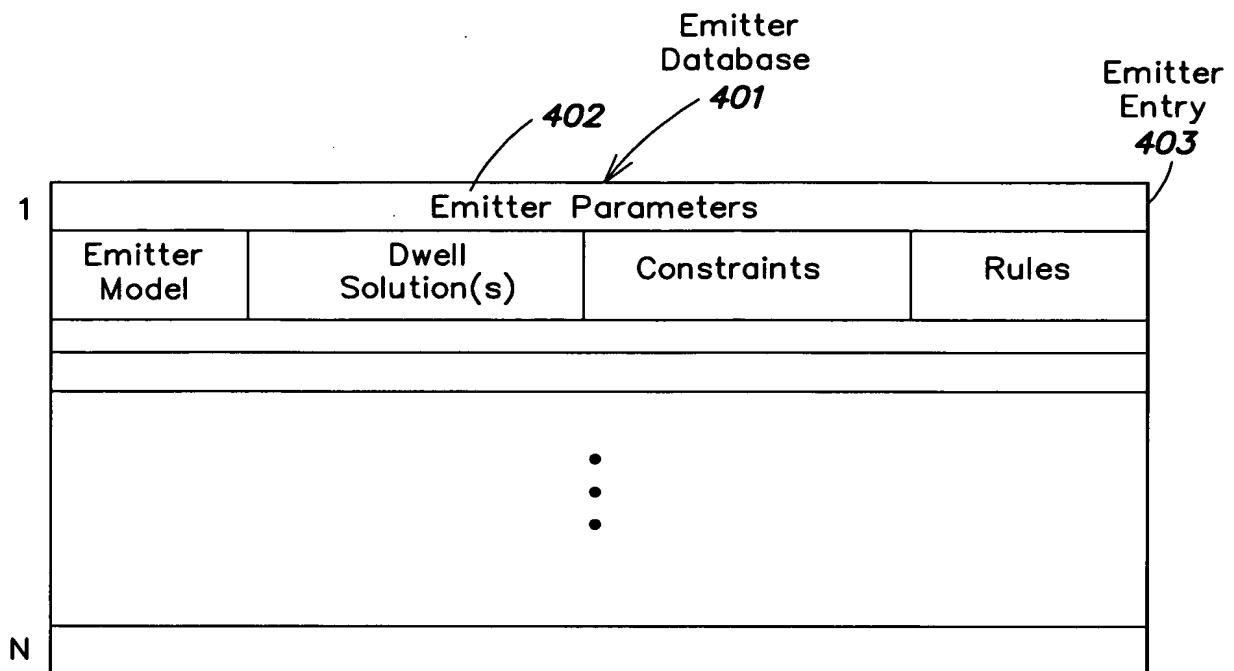
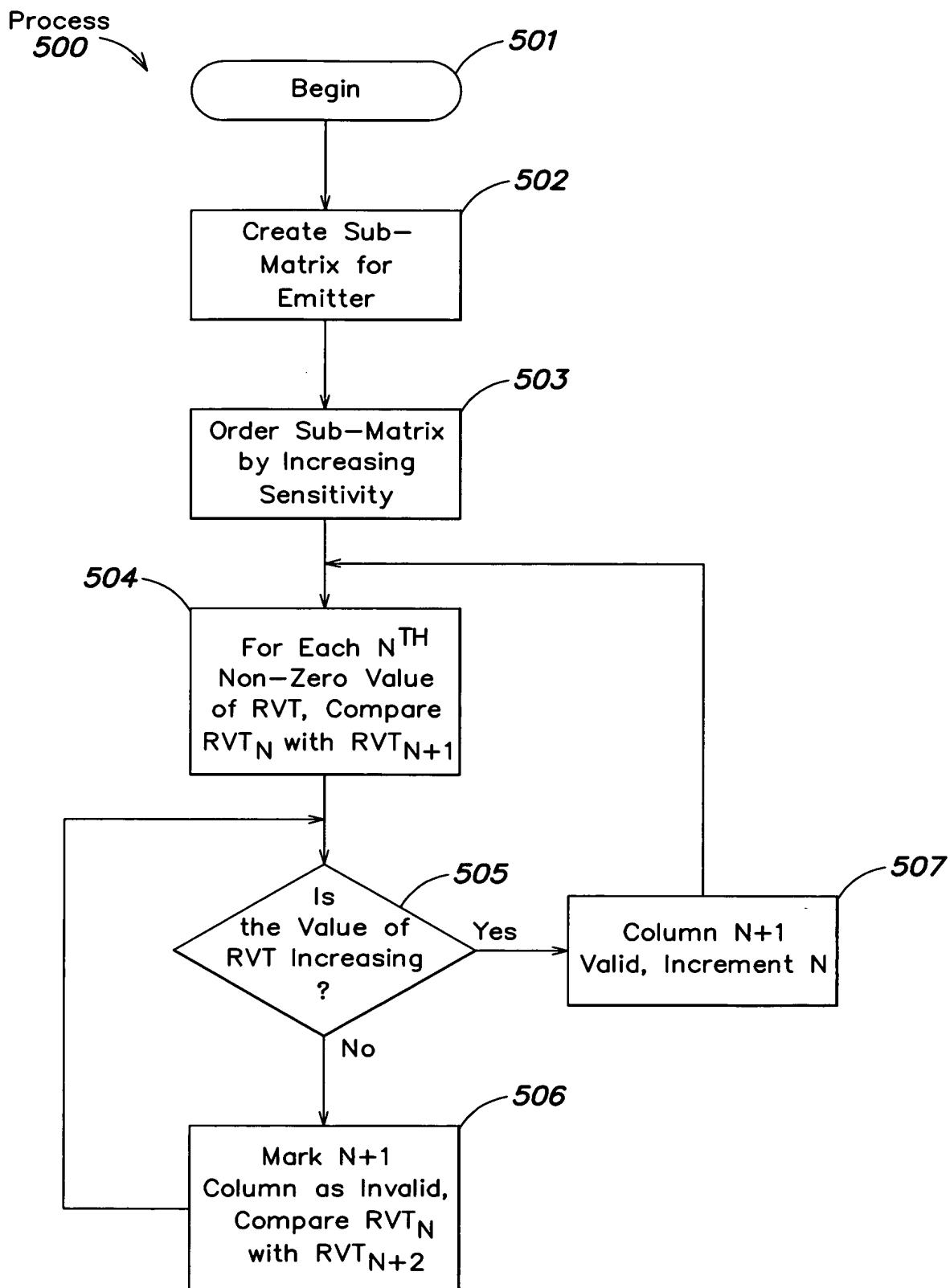


FIG. 4



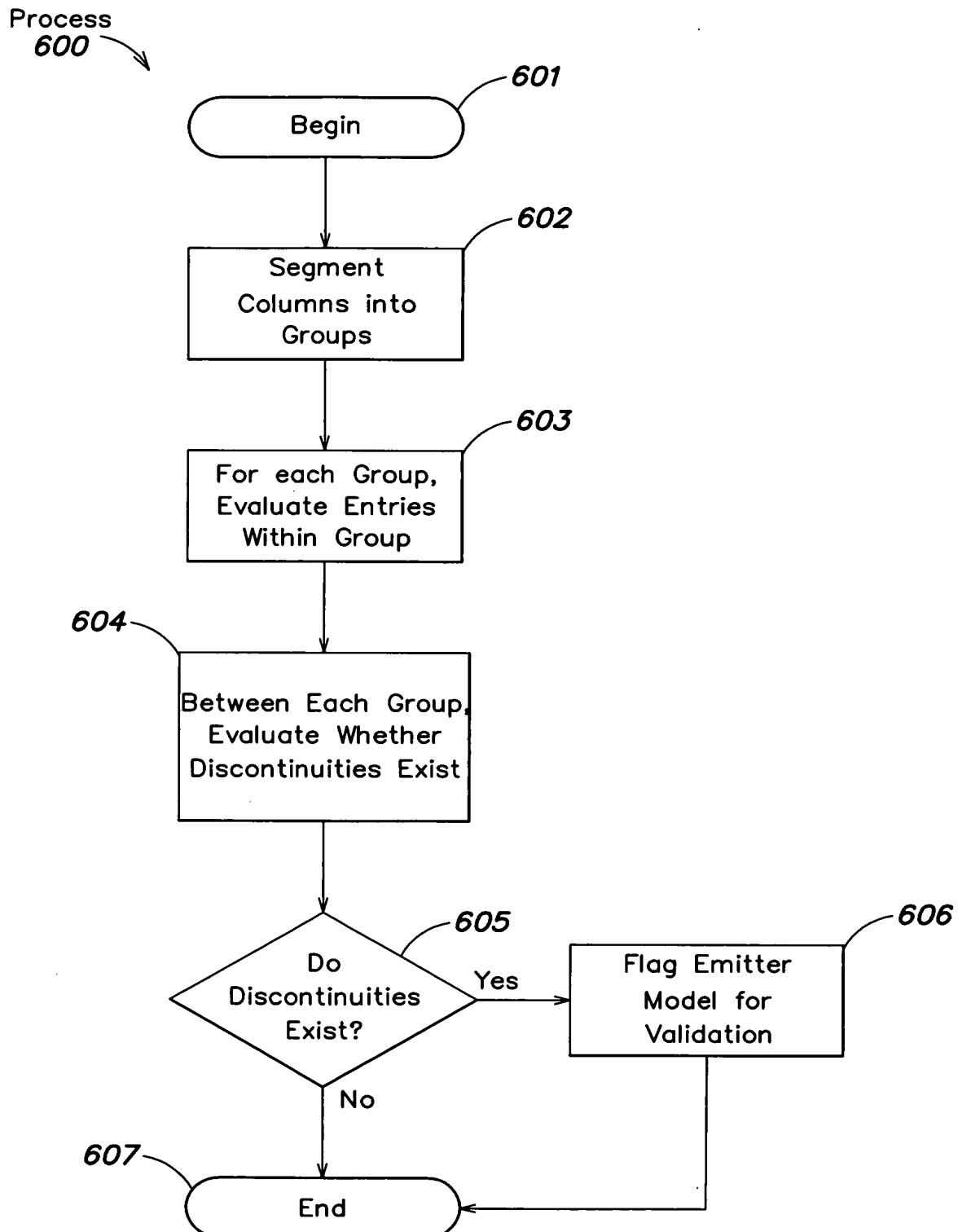


FIG. 6

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

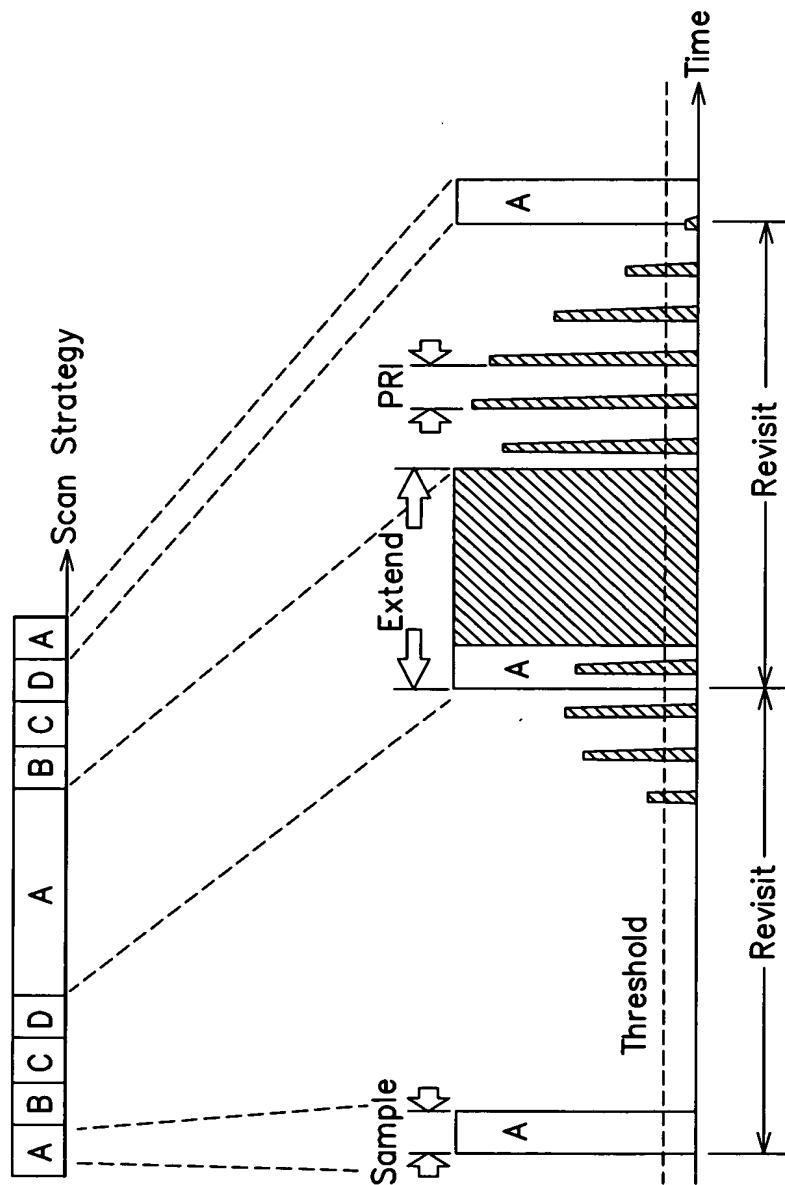


FIG. 7

NO PULSE GROUPING LOGIC:

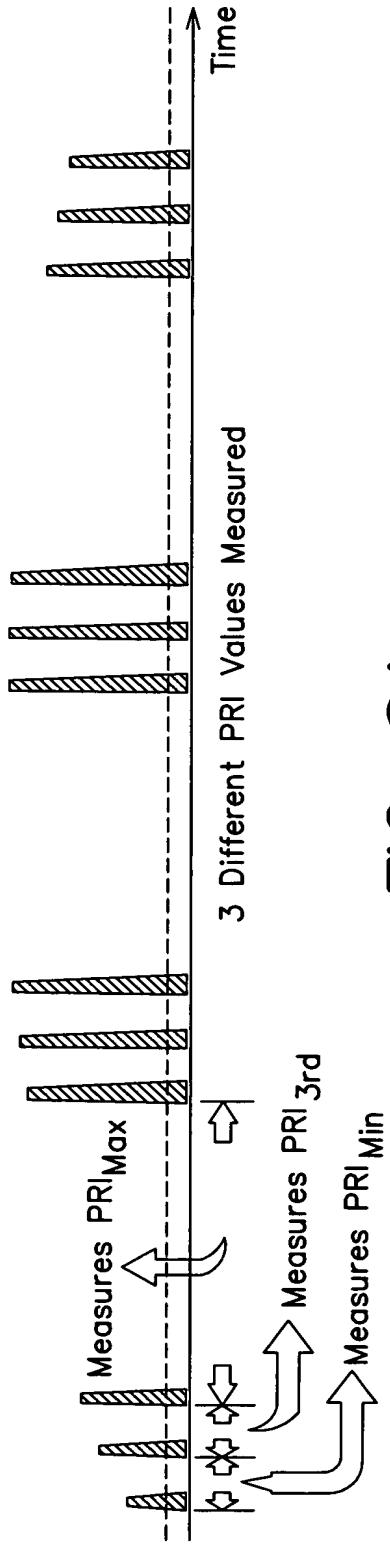


FIG. 8A

WITH PULSE GROUPING LOGIC:

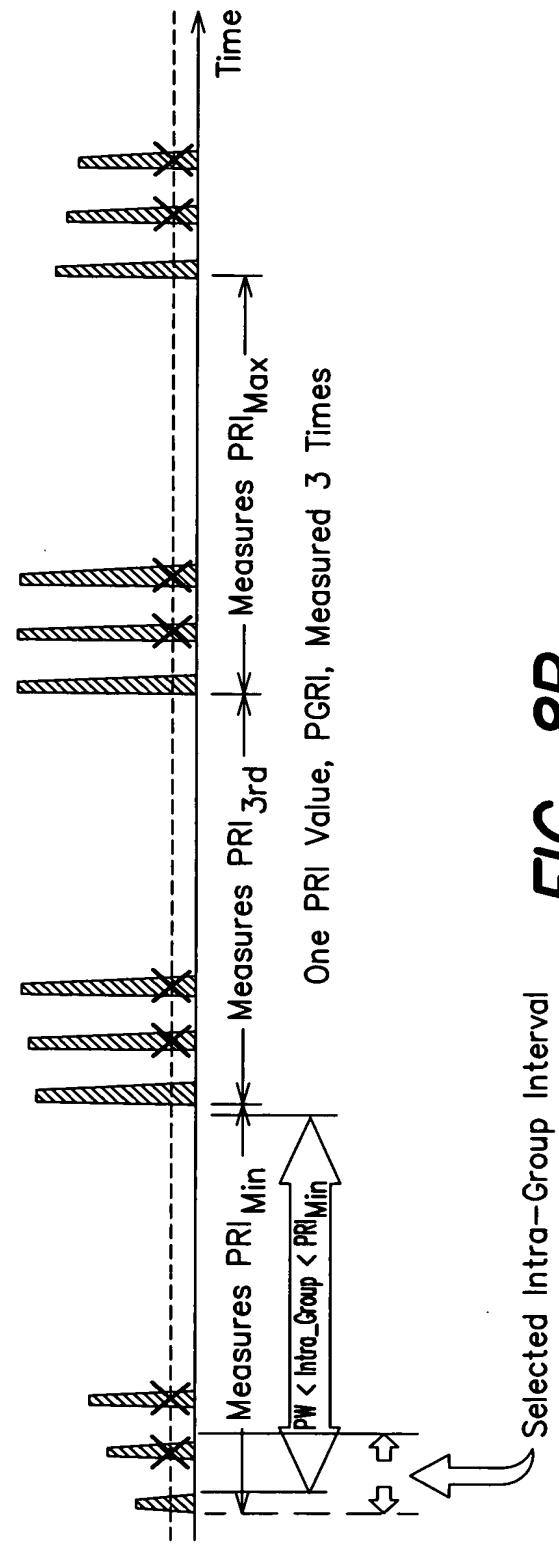


FIG. 8B

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

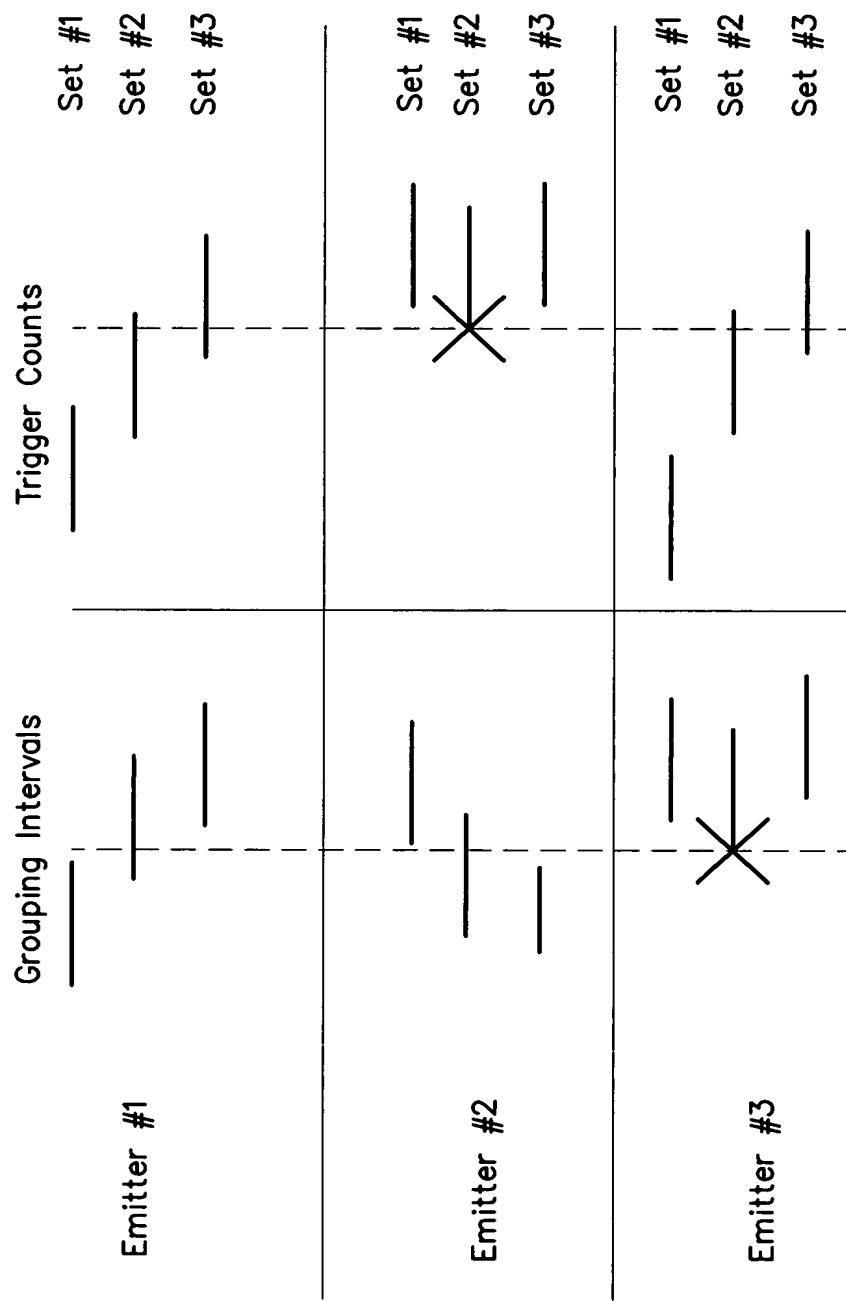


FIG. 9

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

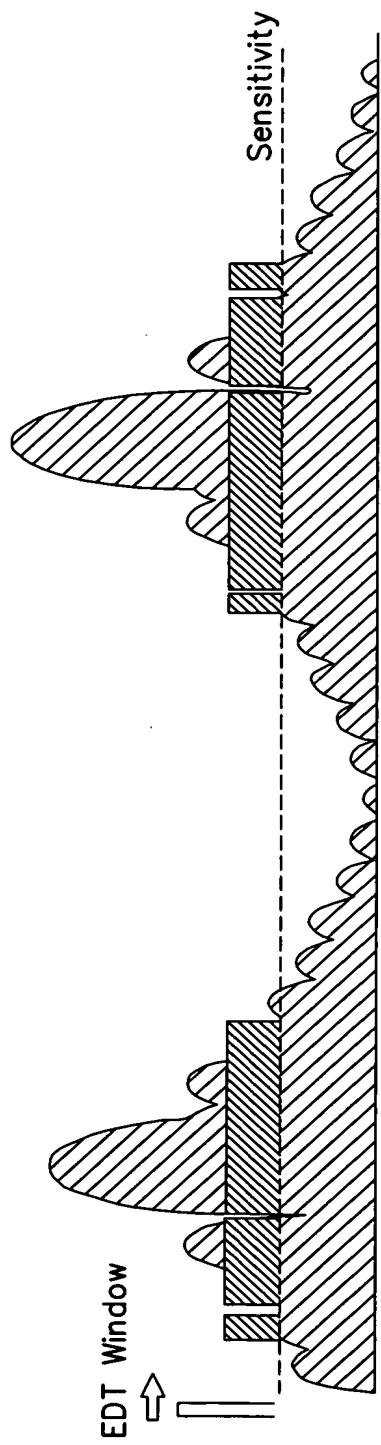


FIG. 10A
Discrete Illuminations (TIBS)

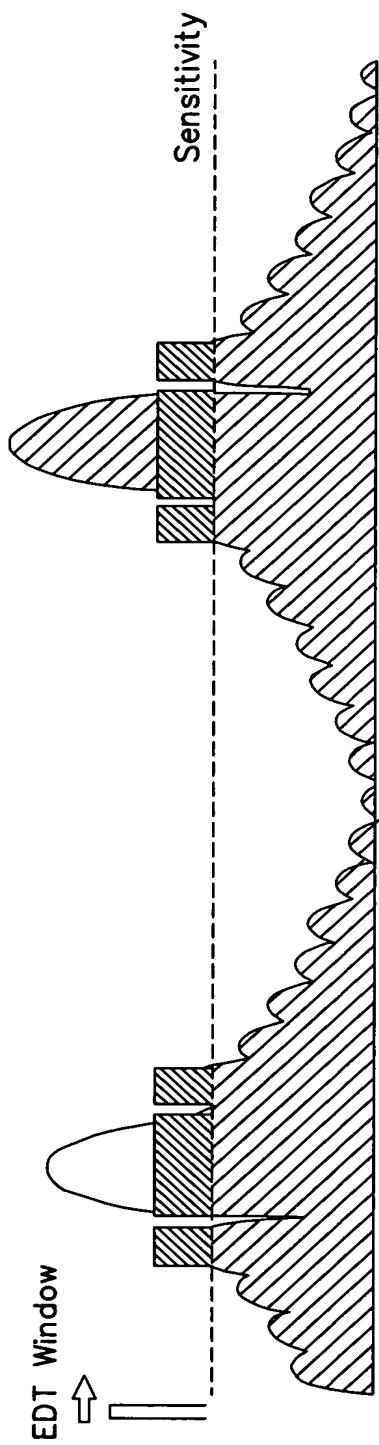


FIG. 10B
Discrete Illuminations (TIBS)

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

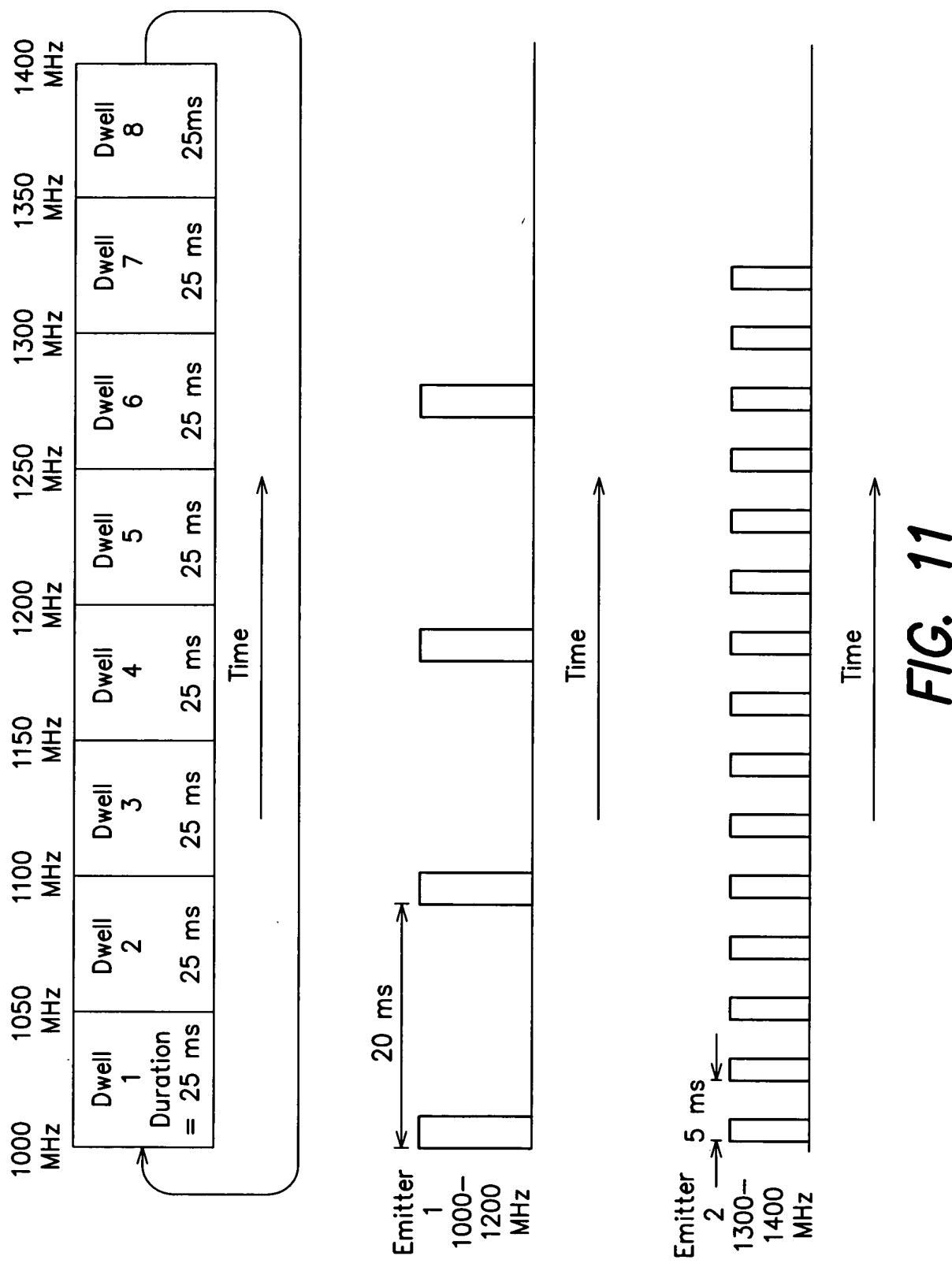


FIG. 11

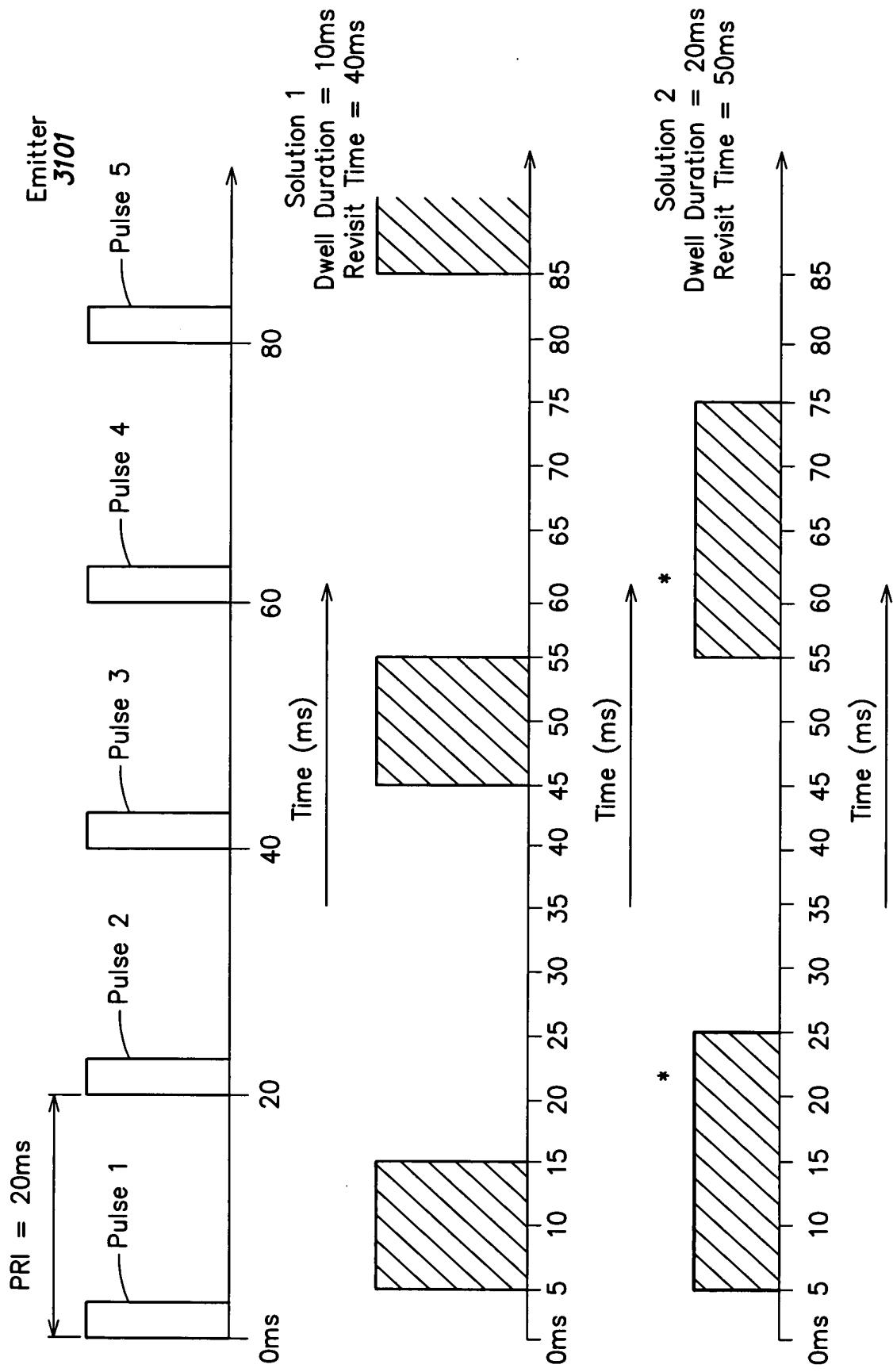


FIG. 12

4000

Emitter Name	Detecting Method 1 250MHz IF/ 15MHz VBW RVT	Detecting Method 2 30MHz IF/ 15MHz VBW RVT	RF Min (MHz)	RF Max (MHz)	Min MDT (ms)
E1	100 ms	650 ms	1000	1300	3
E2	120 ms	780 ms	1220	1350	5
E3	110 ms	330 ms	1510	1810	2
E4	130 ms	390 ms	1730	1860	4

FIG. 13

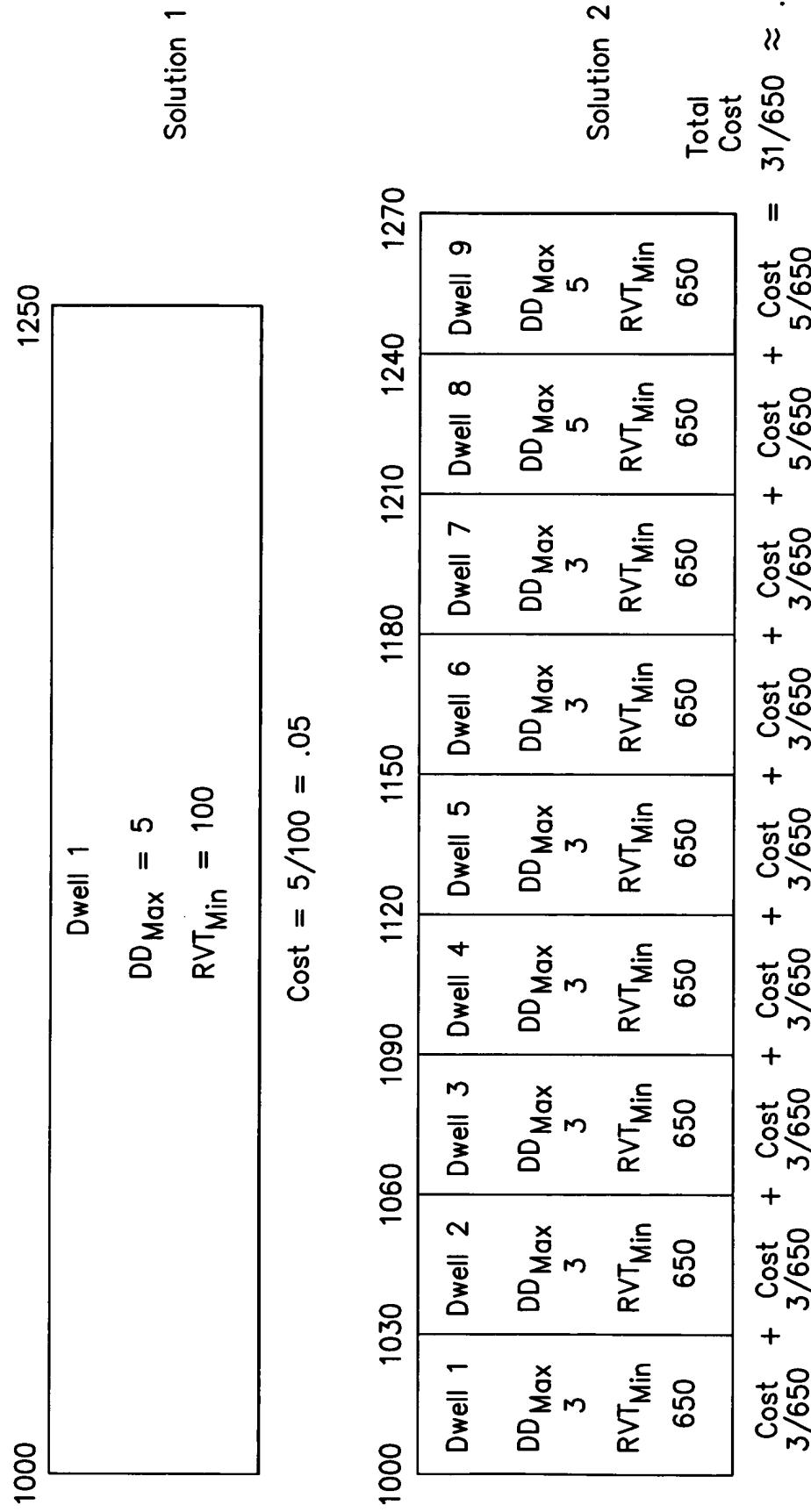


FIG. 14A

Solution 1								Solution 2								
Dwell 1	Dwell 2	Dwell 3	Dwell 4	Dwell 5	Dwell 6	Dwell 7	Dwell 8	Dwell 9	Dwell 1	Dwell 2	Dwell 3	Dwell 4	Dwell 5	Dwell 6	Dwell 7	Dwell 8
DD Max 2	DD Max 2	DD Max 2	DD Max 2	DD Max 2	DD Max 2	DD Max 2	DD Max 2	DD Max 4								
RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms	RVT Min 330 ms
Cost = 4/330 = .012																
1510	1540	1570	1600	1630	1660	1690	1720	1750	1780	1510	1540	1570	1600	1630	1660	1690

FIG. 14B

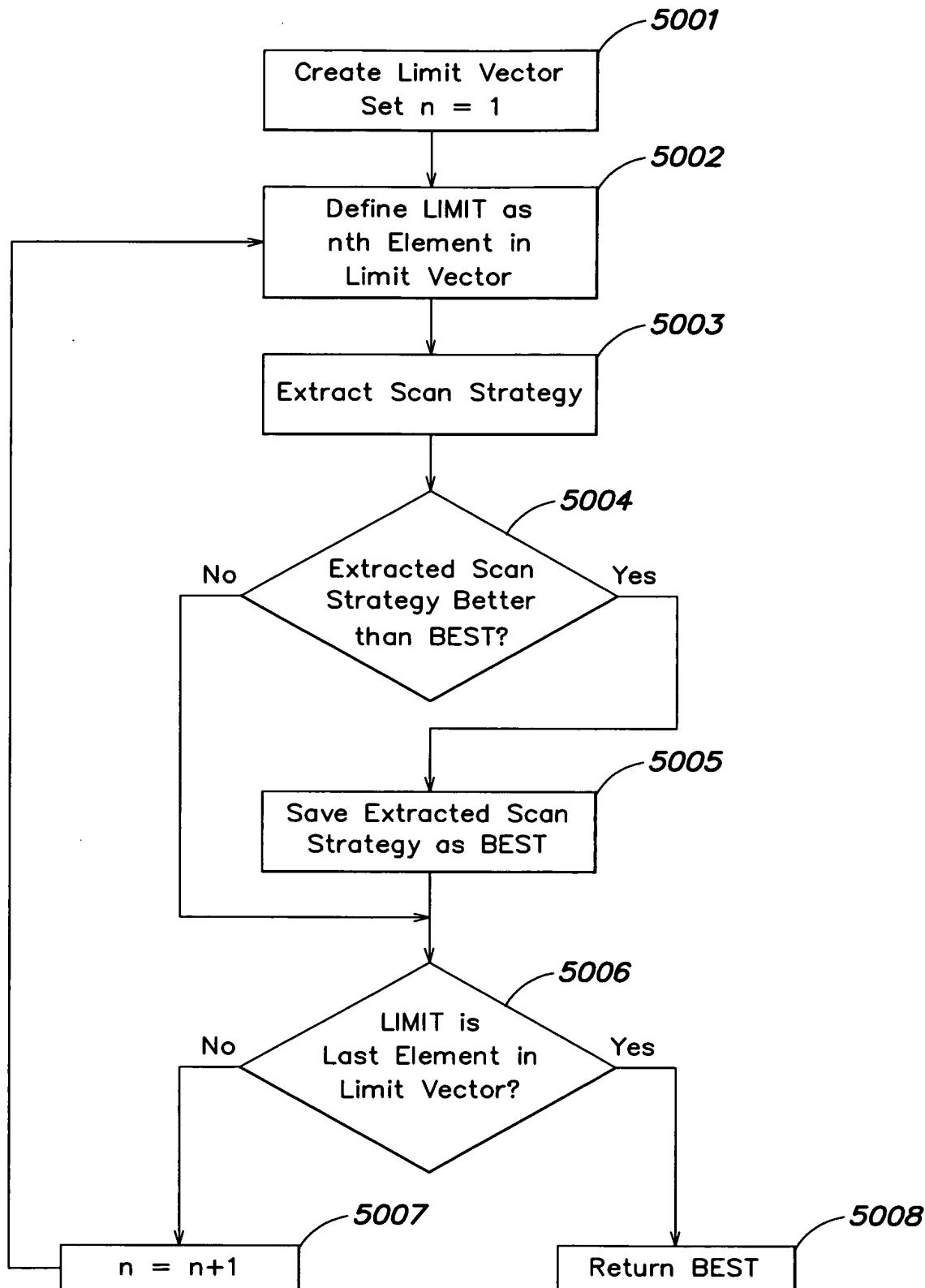


FIG. 15

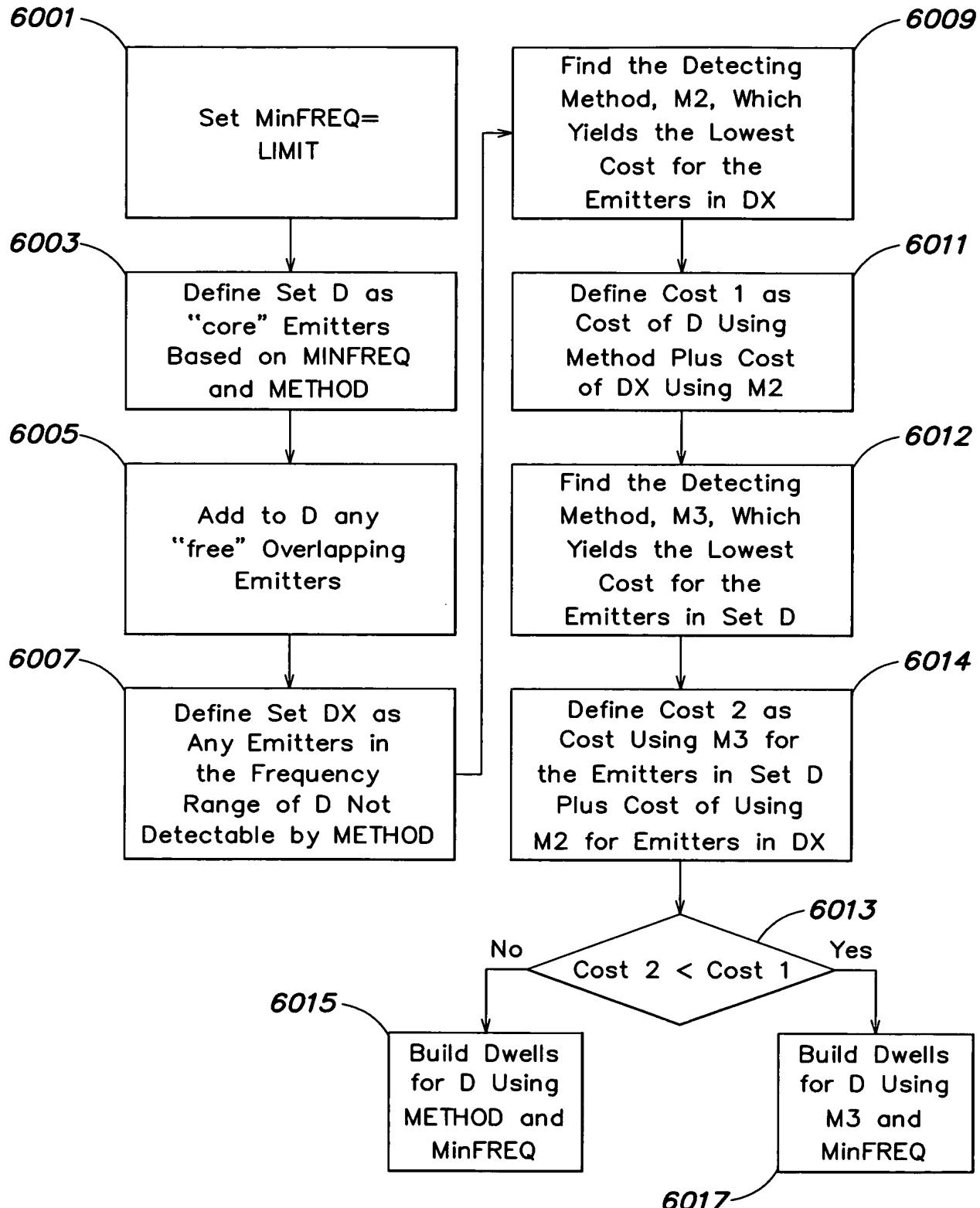
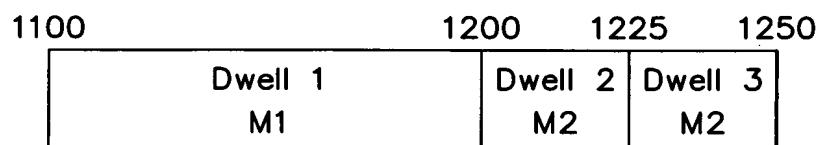
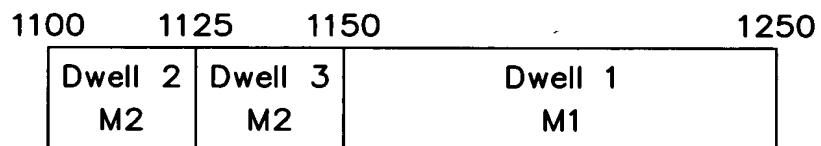


FIG. 16

Name	RF Min	RF Max
E1	1100	1200
E2	1150	1250



7001



7003

FIG. 17

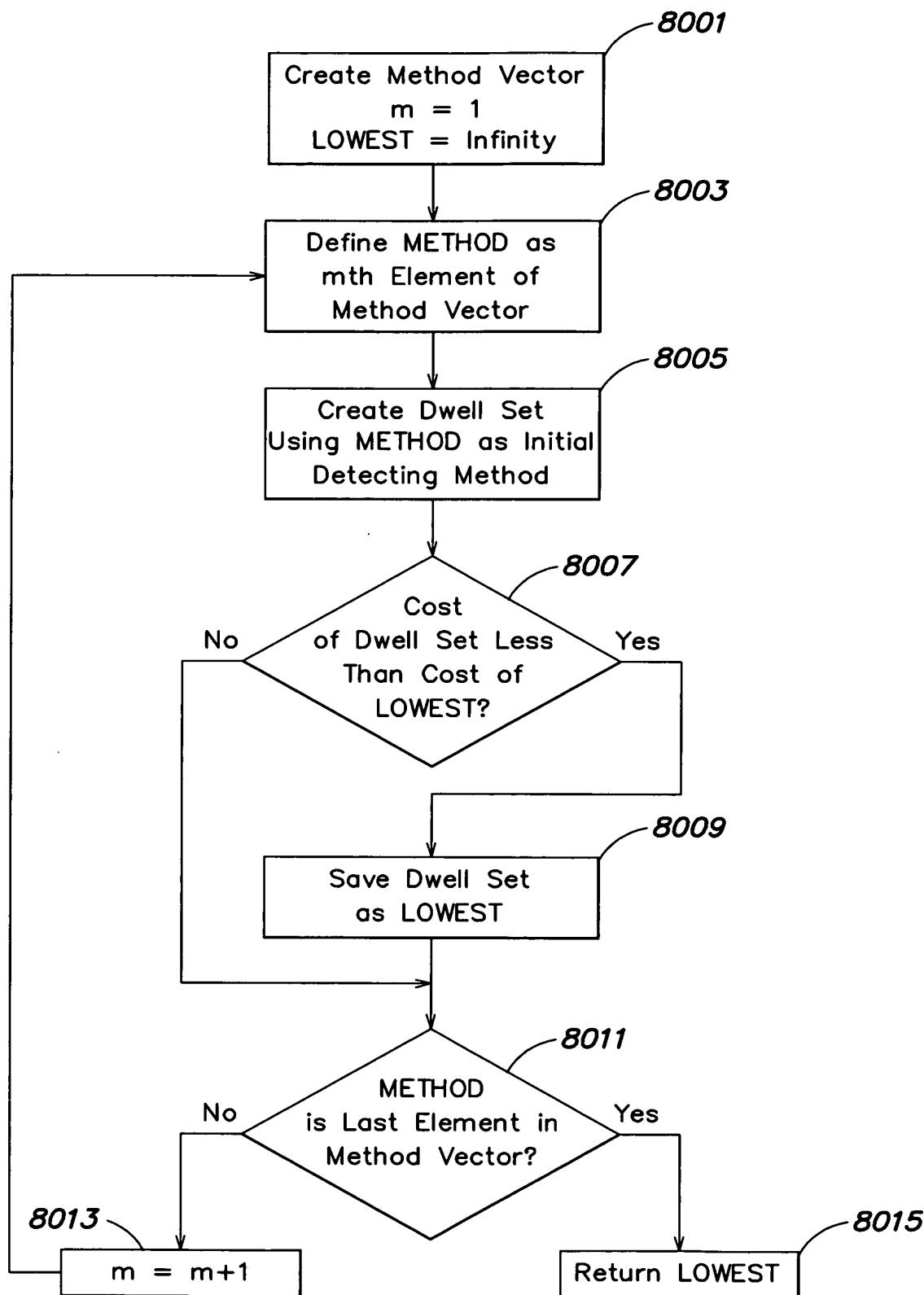


FIG. 18

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

Emitter	Dwell Duration (ms)	Revisit Time (ms)
Emitter 1	1	500
Emitter 2	2	1200

FIG. 19

Emitter	Dwell Duration (ms)	Revisit Time (ms)	Cost
Emitter 1	1	500	.002
Emitter 2	5	1000	.005

FIG. 20

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

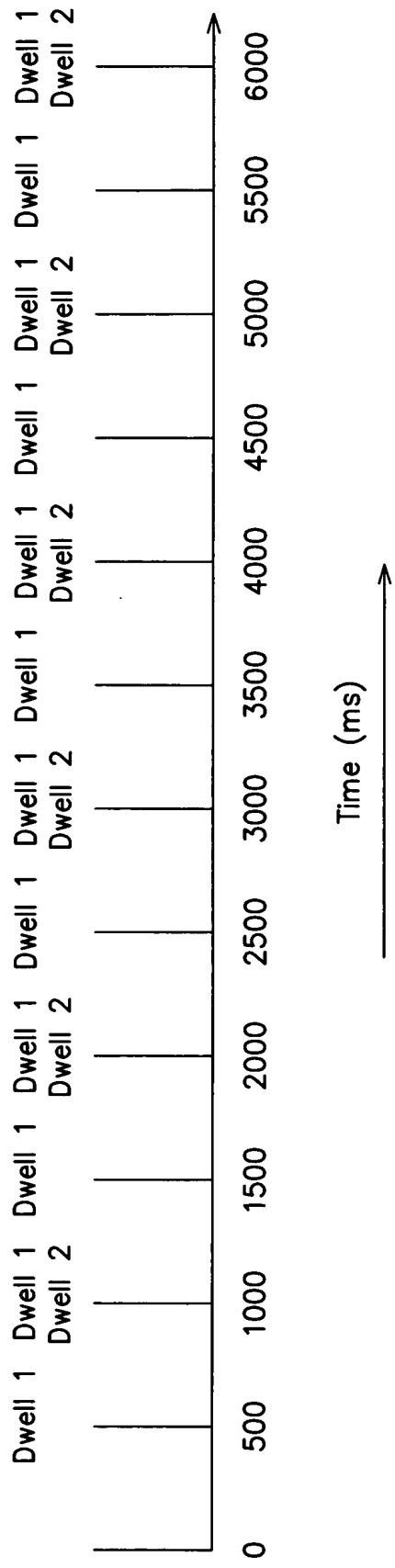


FIG. 21

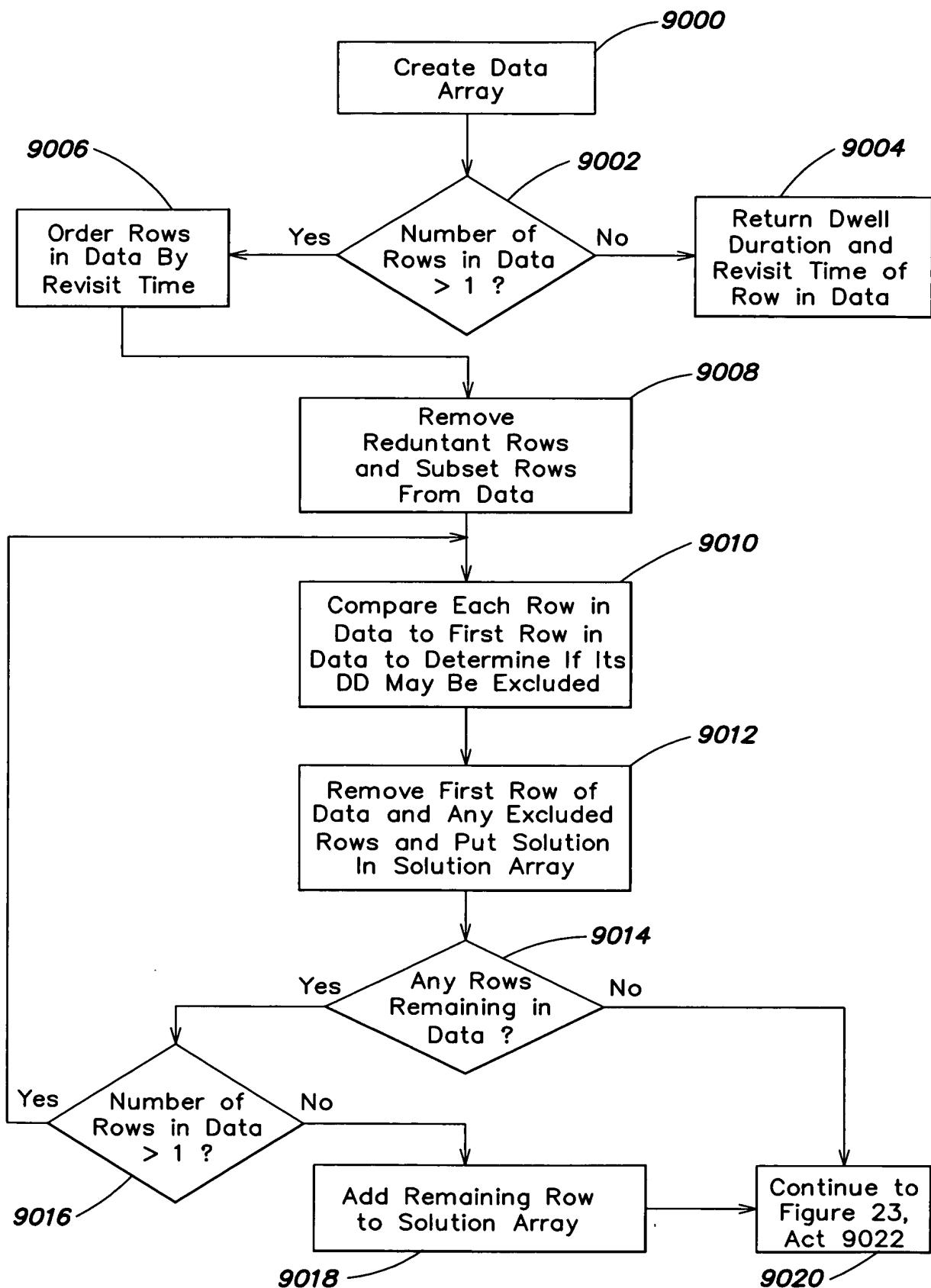


FIG. 22

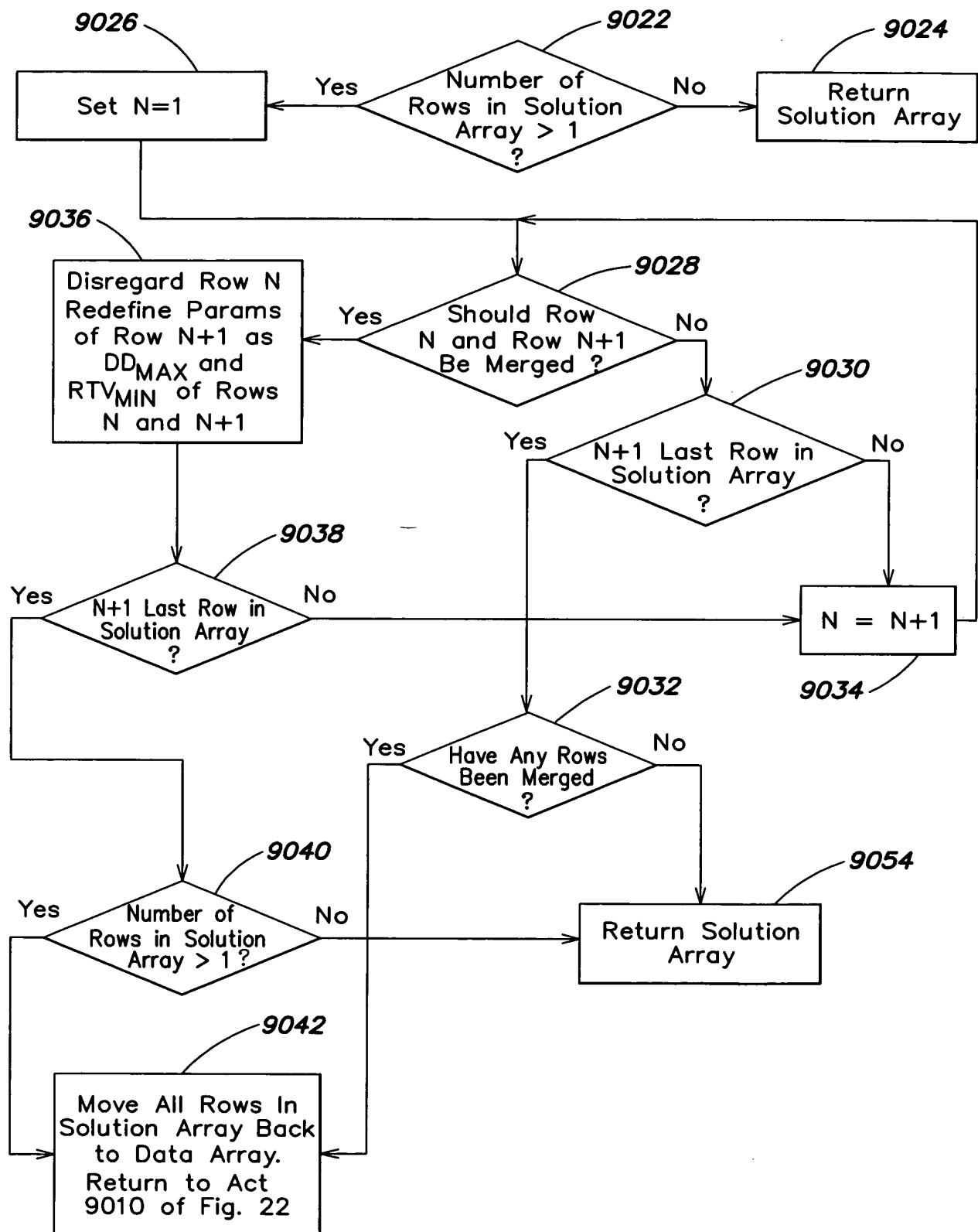


FIG. 23

The figure consists of seven tables, each with a header row labeled "Data". The first six tables (9044, 9048, 9049, 9050, 9051, 9052) have three columns: MDT, EDT, and RVT. The seventh table (9053) has four columns: MDT, EDT, RVT, and a fourth column which is blank. Each table is associated with a unique identifier: 9044, 9048, 9049, 9050, 9051, 9052, and 9053. Arrows point from these identifiers to their respective tables.

Data		
MDT	EDT	RVT
3.05	17	2868
3	19	2000
3	19	2000
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000
3	19	2000
3.05	17	2868

Data		
MDT	EDT	RVT
3.05	17	2868
3	19	2000
3	19	2000
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000
3	19	2000
3.05	17	2868

Data		
MDT	EDT	RVT
3.05	17	2868
3	19	2000
3	19	2000
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000
3	19	2000
3.05	17	2868

Data		
MDT	EDT	RVT
3.05	17	2868
3	19	2000
3	19	2000
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000
3	19	2000
3.05	17	2868

FIG. 24A

FIG. 24B

FIG. 24C

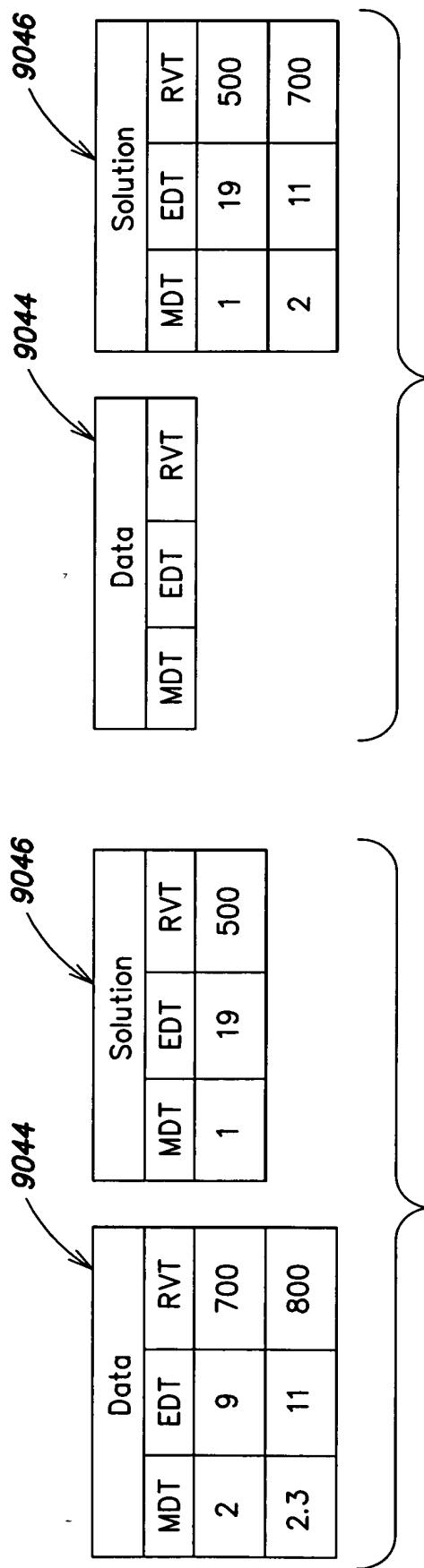


FIG. 24E

FIG. 24D

The diagram shows a single "Solution" table, which is connected to a label "9046".

Solution			
MDT	EDT	RVT	
1	19	500	
2	11	700	

FIG. 24F

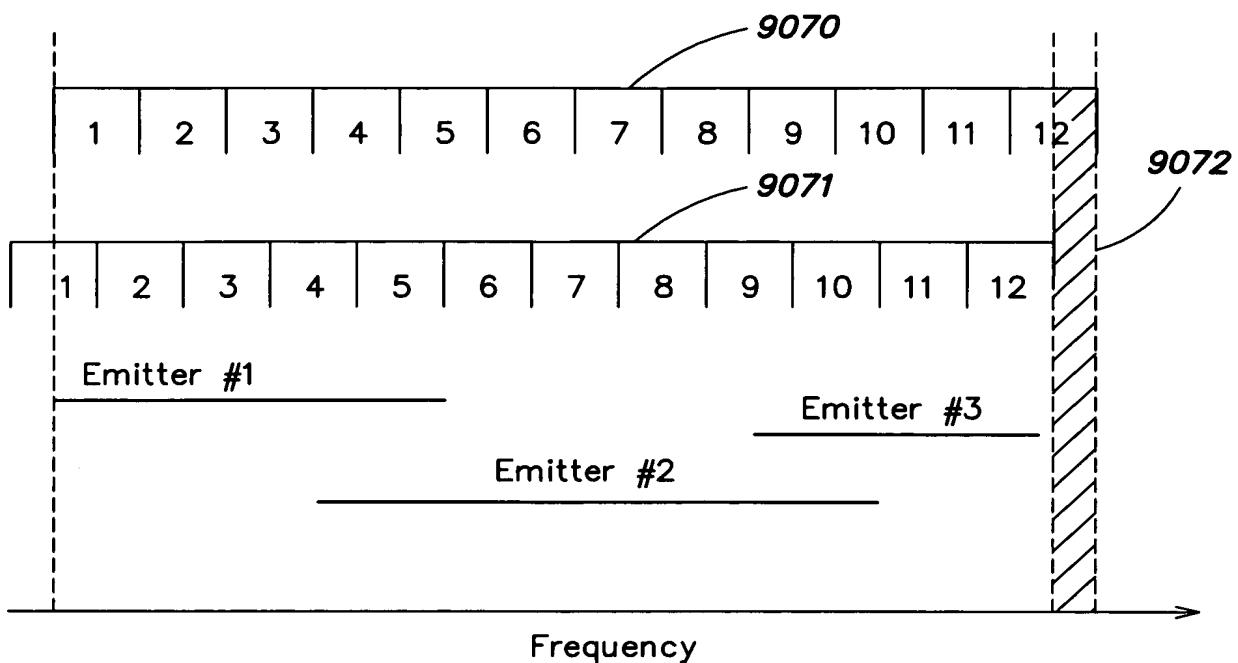


FIG. 25

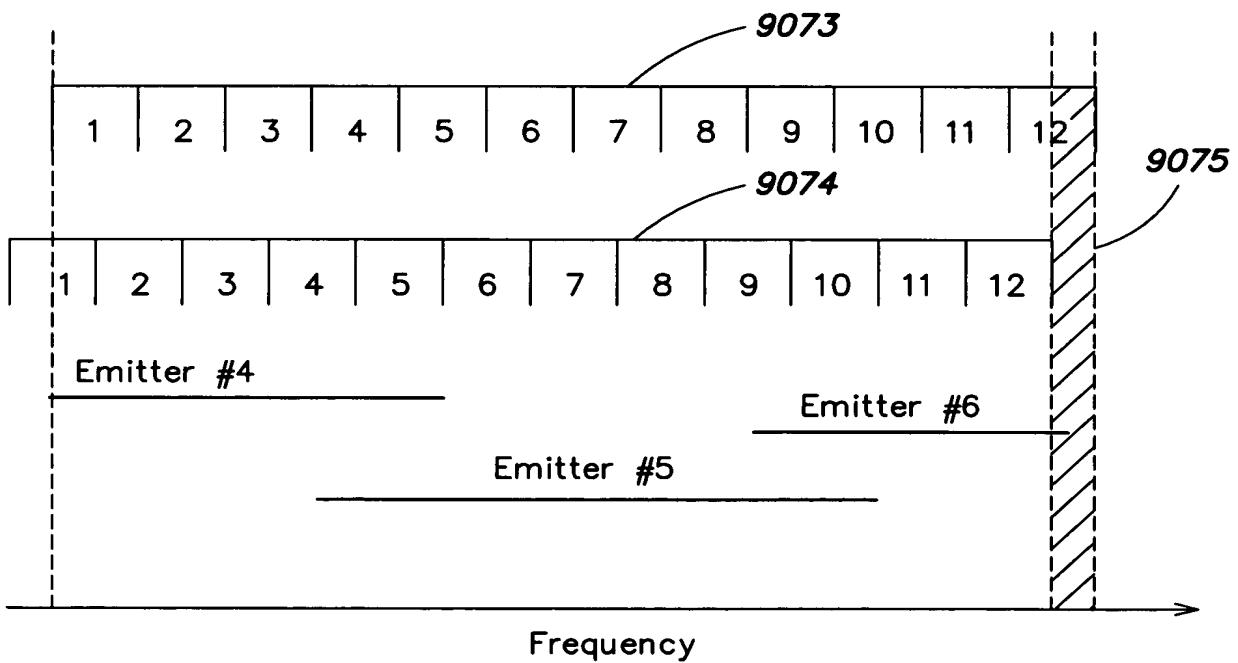


FIG. 26

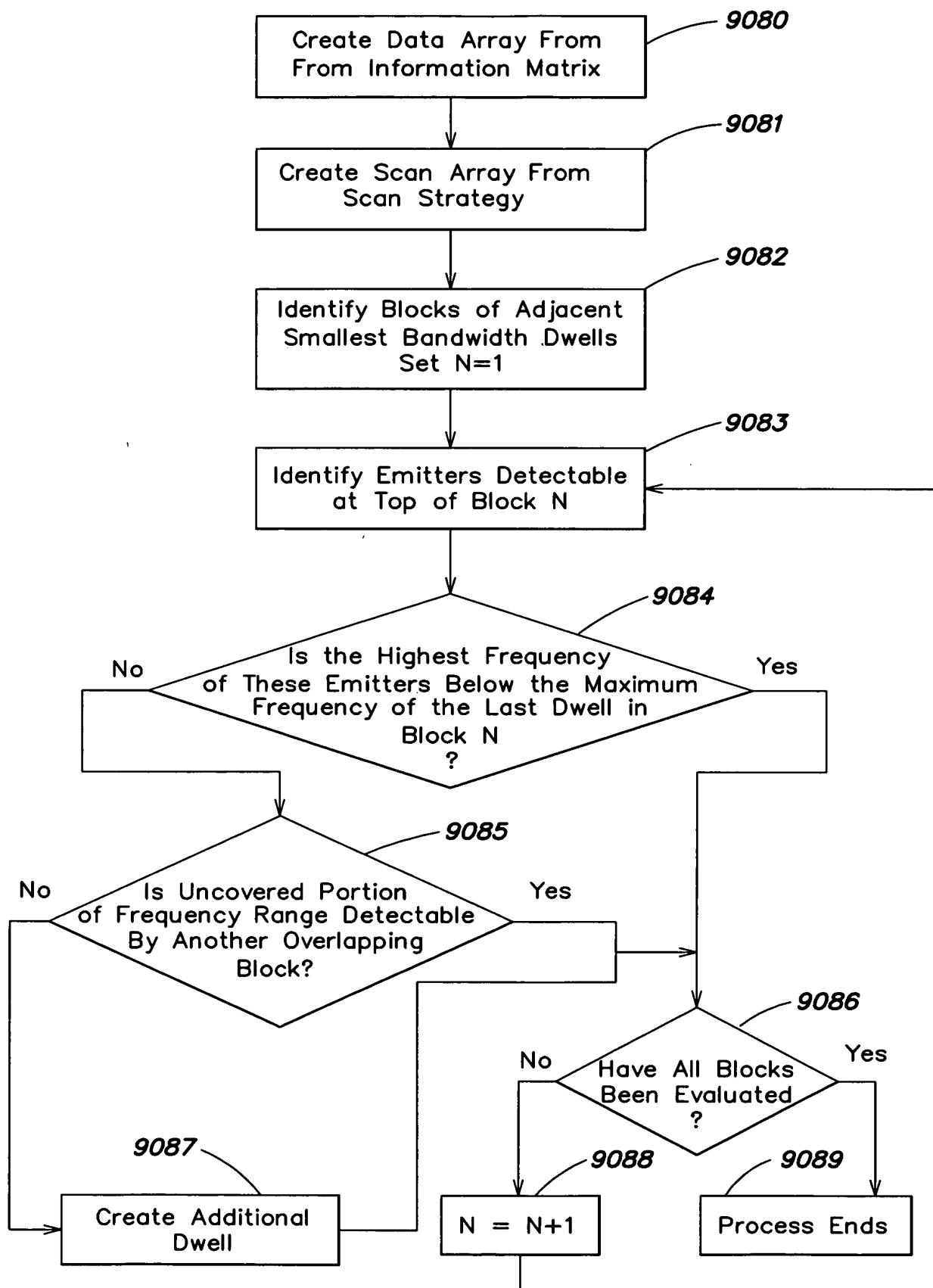


FIG. 27

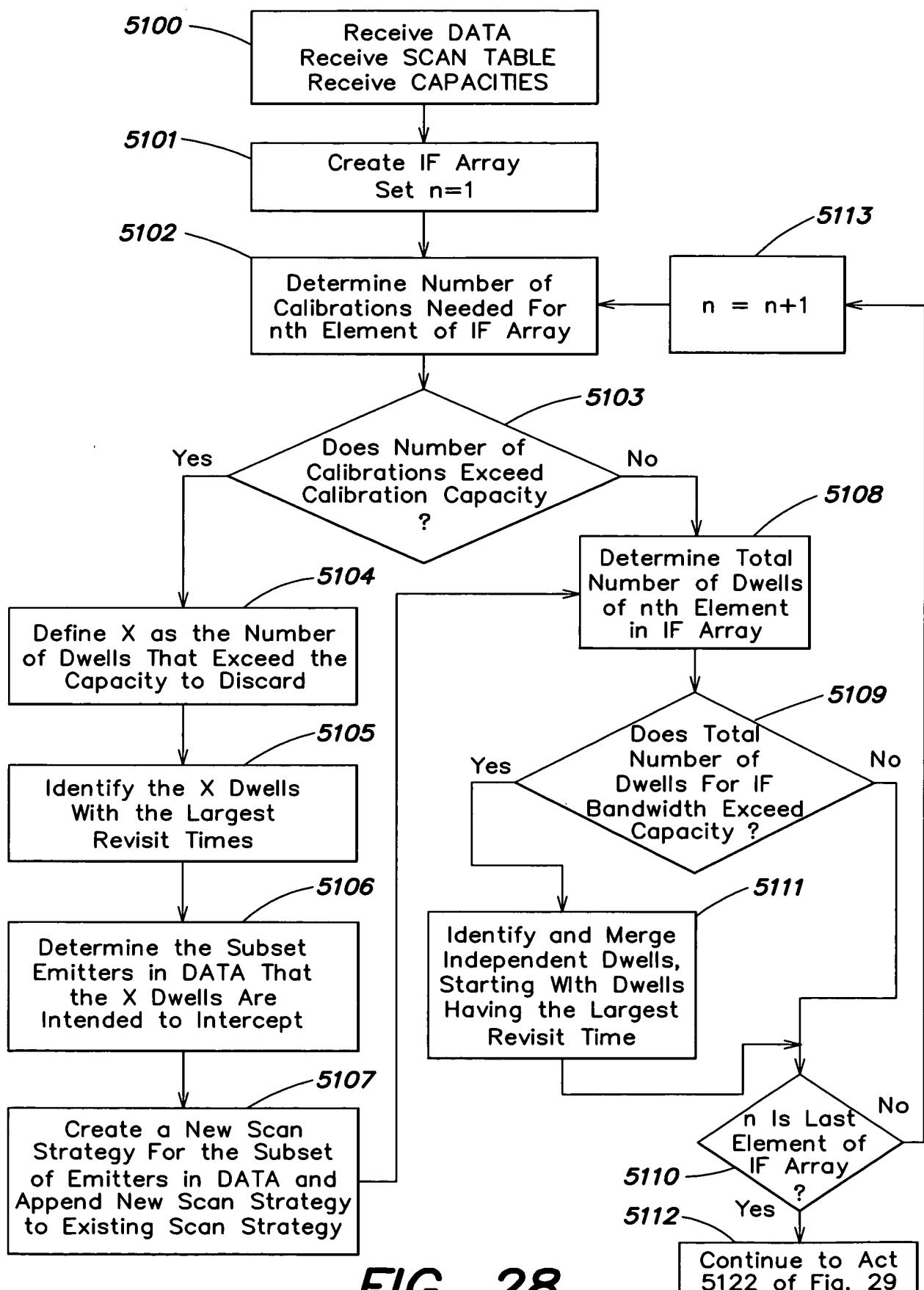


FIG. 28

Continue to Act 5122 of Fig. 29

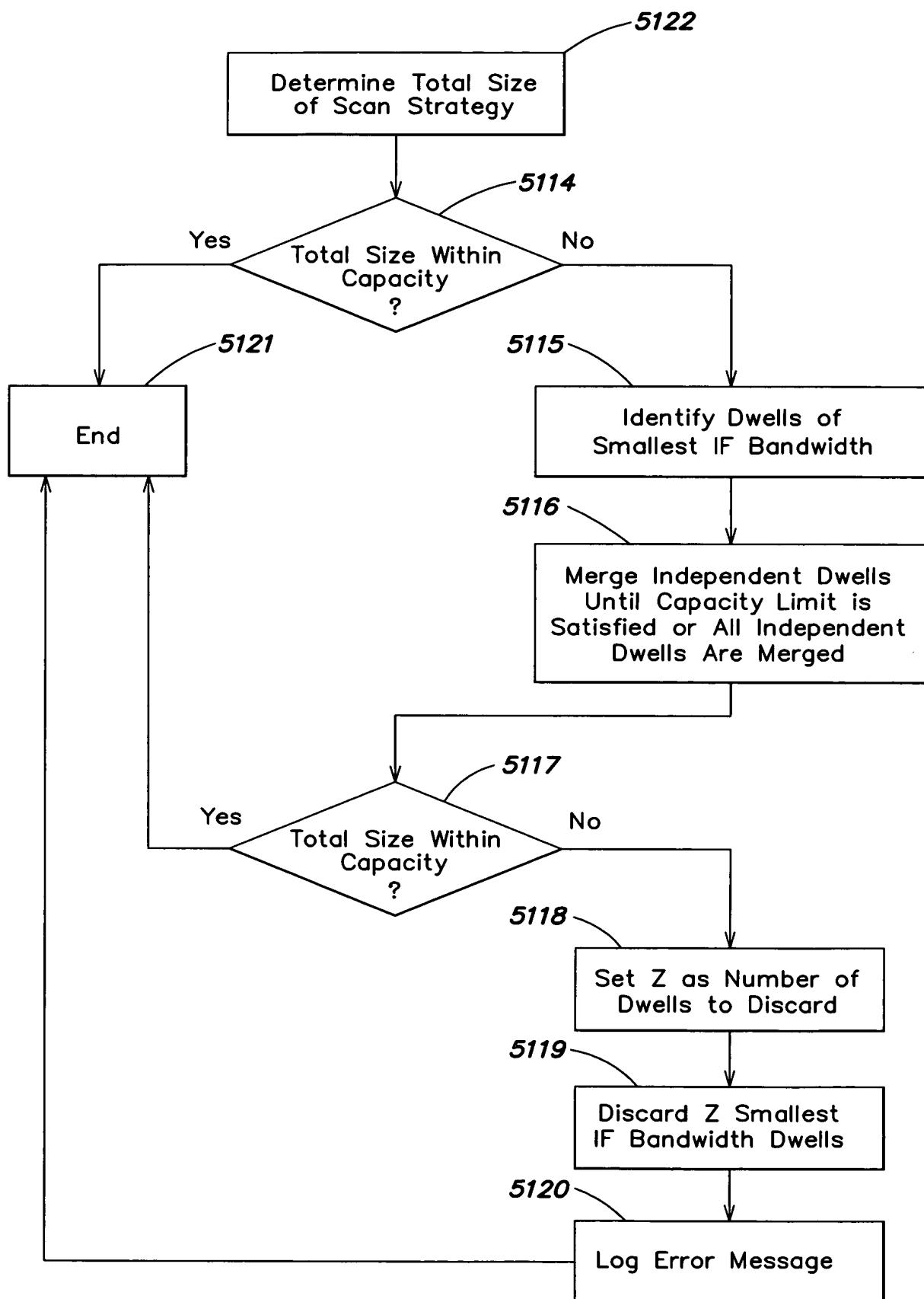


FIG. 29

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

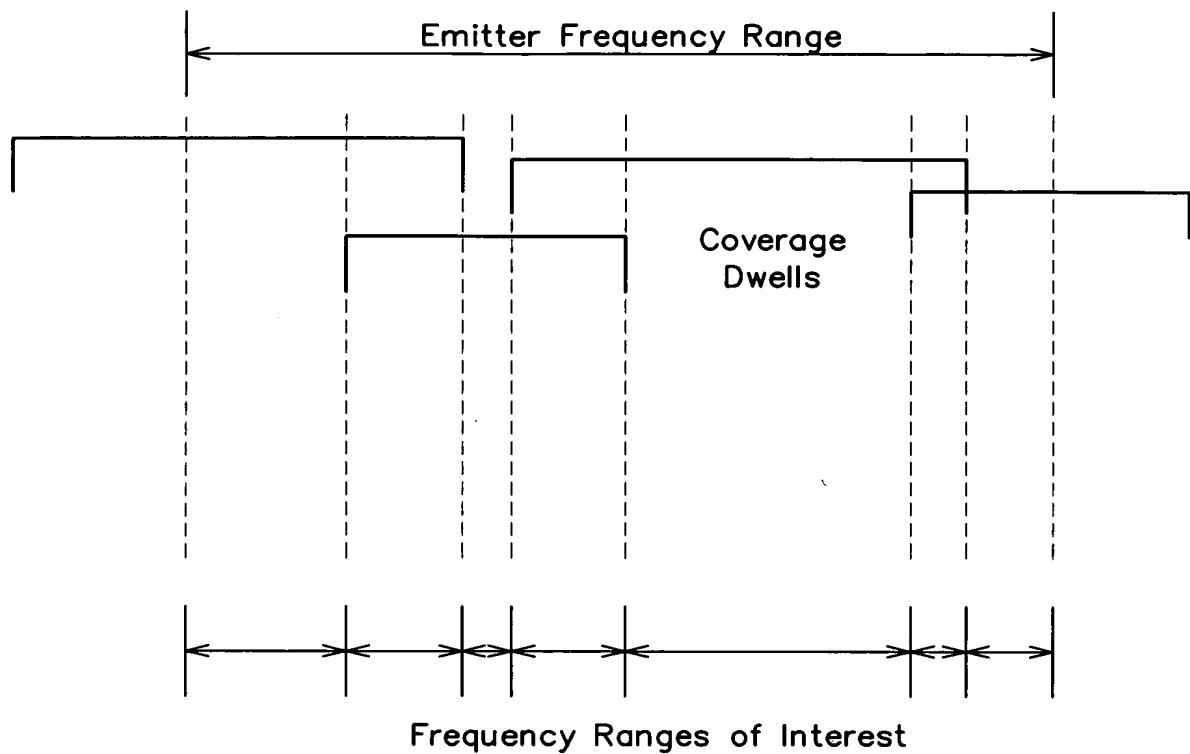


FIG. 30

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

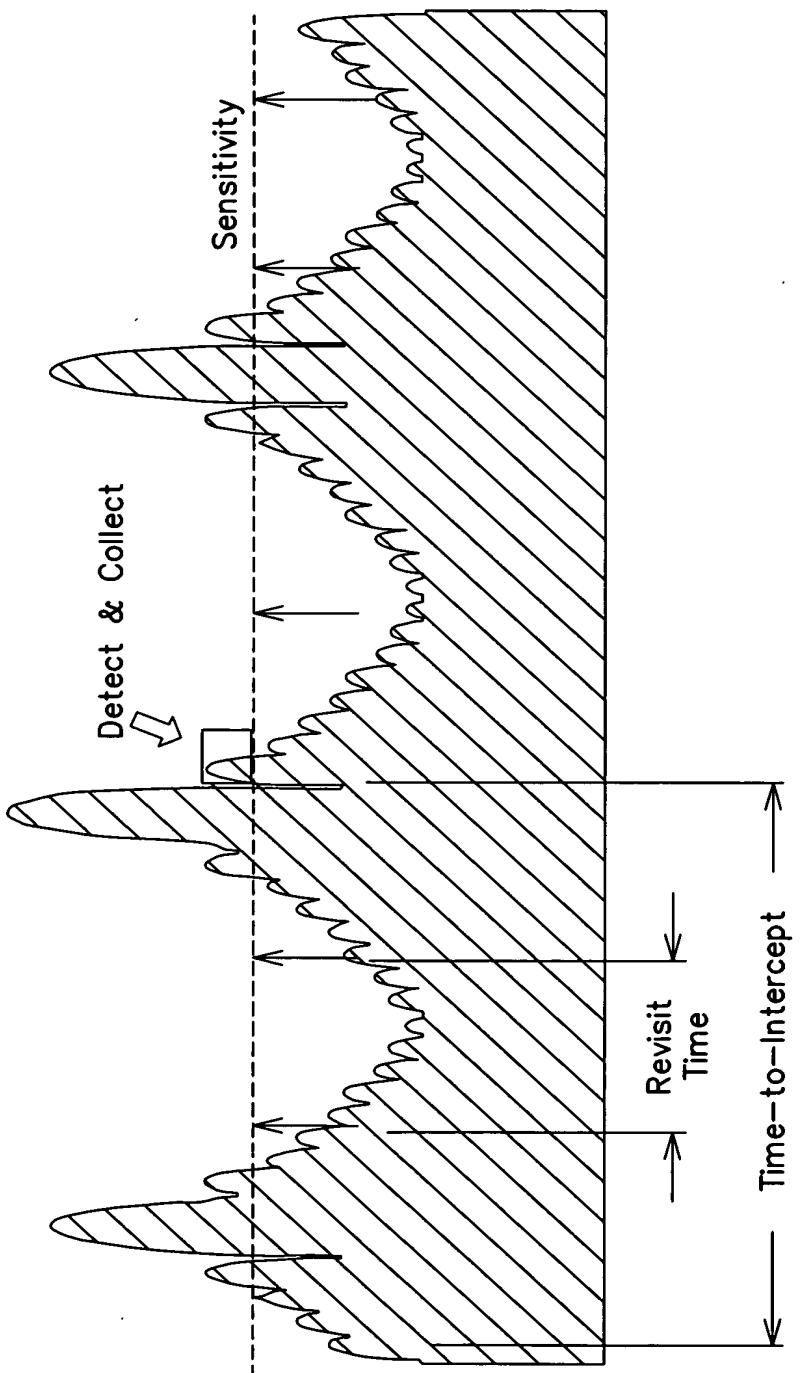


FIG. 31

System And Method For Detecting And
Jamming Emitter Signals
GOUNALIS, Anthony J.
Serial No.: 10/675,540
Docket No.: L0562.70044US00

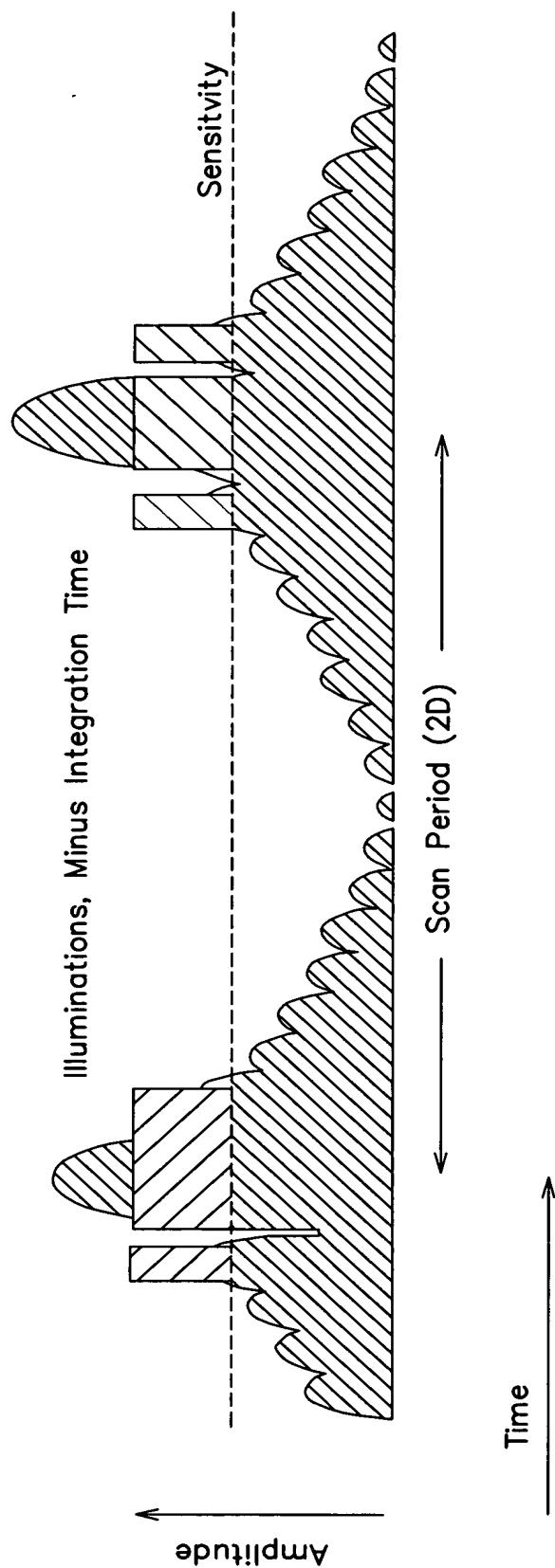


FIG. 32